

THERE IS CLAIMED:

1. A method of controlling amplification of a signal emitted by a radiocommunication terminal including a power amplifier and a power supply battery, said method including the steps of:
  - detecting the output power of said amplifier and converting said output power into a detected voltage,
  - comparing said detected voltage with a set point voltage, and
  - adapting the input voltage of said power amplifier as a result of said comparison,in which method said detected voltage and/or said set point voltage is rendered dependent on the voltage of said power supply battery before the step of comparing said detected voltage with said set point voltage.
2. The method claimed in claim 1 wherein said detected voltage is increased by a correction value dependent on said voltage of said power supply battery.
3. The method claimed in claim 1 wherein said set point voltage is reduced by a correction value dependent on said voltage of said power supply battery.
4. The method claimed in claim 2 wherein said correction value is a multiple of  $(V_{bat} - V_{nom})$  where  $(V_{nom})$  is the nominal voltage of said power supply battery.
5. The method claimed in claim 3 wherein said correction value is a multiple of  $(V_{bat} - V_{nom})$  where  $(V_{nom})$  is the nominal voltage of said power supply battery.
6. The method claimed in claim 1 wherein said detected voltage and/or said set point voltage is rendered dependent of said voltage of said power supply battery only within a limited range of the output power of said amplifier.
7. The method claimed in claim 6 wherein said detected voltage and/or said set point voltage is rendered dependent on said voltage of said power supply battery only in a range of the output power of said amplifier close to 30 dBm.
8. A device for controlling amplification of a signal emitted by a terminal which includes a power amplifier, means for detecting the power at the output of said amplifier and converting said power into a detected voltage, means for comparing said detected voltage with a set point voltage, means for controlling the input voltage of said amplifier, and a power supply battery, which device includes means for rendering said detected voltage or said set point voltage dependent on the voltage of said power supply battery before comparing said

detected voltage with said set point voltage.

9. The device claimed in claim 8, wherein said means for rendering said detected voltage or said set point voltage dependent on said voltage of said power supply battery include a subtractor between said comparator means and said power detector and converter means.
10. The device claimed in claim 8 further including blocking means adapted to render said detected voltage or said set point voltage dependent on said voltage of said power supply battery only in a range of the output power of said amplifier close to 30 dBm.
11. The device claimed in claim 10 wherein said blocking means include a field-effect transistor.
12. The device claimed in claim 8 wherein said means for rendering said detected voltage or said set point voltage dependent on said voltage of said power supply battery include software means.
13. The device claimed in claim 12 wherein said software means render said detected voltage or said set point voltage dependent on said voltage of said power supply battery only in a range of powers close to 30 dBm.
14. A radiocommunication terminal including a device according to claim 8.
15. A radiocommunication terminal including a device according to claim 9.

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